

YELLOW FEVER

I. IDENTIFICATION

- A. **CLINICAL DESCRIPTION:** A mosquito-borne viral illness characterized by acute onset and constitutional symptoms followed by a brief remission and a recurrence of fever, hepatitis, albuminuria, and in some cases renal failure, shock, and generalized hemorrhages.
- B. **REPORTING CRITERIA:** Laboratory confirmation.
- C. **LABORATORY CRITERIA FOR CONFIRMATION:**
- Fourfold or greater change in yellow fever antibody titer with no history of recent yellow fever immunization, and cross-reactions to other flaviviruses ruled out, **OR**
 - Demonstration of yellow fever virus, antigen, or genome in tissue, blood or other body fluid.
- D. **KENTUCKY CASE DEFINITION:** A clinically compatible illness that is laboratory confirmed.

II. ACTIONS REQUIRED / PREVENTION MEASURES

- A. **KENTUCKY DISEASE SURVEILLANCE REQUIRES URGENT NOTIFICATION:** REPORT TO THE LOCAL OR STATE HEALTH DEPARTMENT **IMMEDIATELY** upon recognition of a case or suspected case or suspected case in a time period not greater than 24 hours. If health department personnel cannot be contacted directly, notification shall be made by telephone to the emergency number of the Division of epidemiology and Health Planning: **1-888-973-7678**.
- B. **EPIDEMIOLOGY REPORTS REQUESTED:**
1. Kentucky Reportable Disease Form – EPID 200 (Rev. Jan/03).
- C. **PUBLIC HEALTH INTERVENTIONS:**
- A thorough history of travel three to six days before the onset of symptoms to locate the probable area of exposure to yellow fever.
 - Observe all persons who had traveled to the area of exposure.

III. CONTACTS FOR CONSULTATION

- A. **KENTUCKY DEPARTMENT FOR PUBLIC HEALTH, SURVEILLANCE AND HEALTH DATA BRANCH:** 502-564-3418.

- B. KENTUCKY DEPARTMENT FOR PUBLIC HEALTH, COMMUNICABLE DISEASE
BRANCH: 502-564-3261.

IV. RELATED REFERENCES

1. Chin, James, ed. YELLOW FEVER. In: Control of Communicable Diseases Manual. 17th ed. Washington, DC: American Public Health Association, 2000: 553-558
2. Pickering, LK, ed. Arboviruses (Including Dengue, Japanese Encephalitis, and Yellow Fever). In: 2000 Red Book: Report of the Committee on Infectious Diseases. 25th ed. Elk Grove Village, IL: American Academy of Pediatrics, 2000: 170-174.
3. Yellow Fever Vaccine: Recommendations of the Advisory Committee on Immunization Practice (ACIP). MMWR 1984; 32(52): 679-682, 687-688.